one of a voltage control isolator (VCO) and a numeric controlled isolator (NCO) for adjusting frequency of the receiver responsive to the integrated error estimate.

Amendments to the Specification:

Please replace paragraph [0022] with the following amended paragraph:

The frequency estimator block (FEB) 31 of the start-up AFC comprises a Sequence Locator and Splitter 32, frequency estimators 34-38, a proportional plus integral (PI) filter 42, and a voltage controlled oscillator (VCO) or numeric controlled oscillator (NCO) 46 coupled to PI filter 42 through the sign flop 44. The input 32a to the Sequence Locator and Splitter 32 includes the PSC peak location chip-offset provided by Step 1. Start up [[AGG]] AGC 30 is an open loop gain control block that steps through pre-defined gain levels in order to set proper input power level before digitizing the input. The main input to both Step 1 and the Sequence Locator and Splitter 32 is sampled at twice the chip rate with a length of 76,800 complex elements. Since the chip-offset points to the peak location, the beginning of the PSC is 511 samples before the chip-offset. The outputs of the Sequence Locator and Splitter 32 are generated by the following general equation:

$$Output = input[i-511]i Eq.(1)$$

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Please replace paragraph [0027] with the following amended paragraph:

[0027] The sum of the estimates is passed through a proportional plus integral (PI) filter 42 with coefficients alpha and beta, respectively as shown in detail in Figure 3. The PI filter bandwidth has two settings. Initially, alpha and beta are preferably 1/2 and 1/256, respectively as shown in detail in Figure 3. The loop gain k is set at (k = -1.0). During steady state, alpha and beta are set to 1/16 and 1/1024, respectively. Figure 3 depicts such a PI filter structure 42. The preferable settings for coefficients alpha and beta are summarized in Table 3. However, other filters may be substituted for the [[PS]] PI filter.

Please replace the Abstract with the following new Abstract: